

Rev 09/0



PATENT

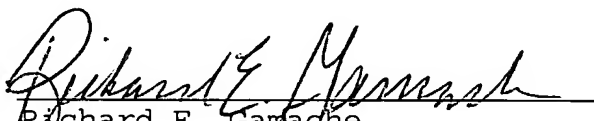
Receipt  
IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : Nathan Intrator, et al.  
Application No. : 10/559,741  
Filed : December 6, 2005  
Confirmation No. : 3855  
For : ESTIMATION OF BACKGROUND NOISE AND ITS  
EFFECT ON SONAR RANGE ESTIMATION  
Examiner :  
Attorney's Docket : BRUN-001XX

TC Art Unit: 3662

\* \* \* \* \*  
I hereby certify that this correspondence is being deposited with  
the United States Postal Service as first class mail in an  
envelope addressed to: Office of Initial Patent Examination,  
Filing Receipt Corrections, Commissioner for Patents, P.O. Box  
1450, Alexandria, VA 22313-1450 on March 23, 2006.

By   
Richard E. Gamache  
Registration No. 39,196  
Attorney for Applicants

\* \* \* \* \*

L E T T E R

Office of Initial Patent Examination  
Filing Receipt Corrections  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reviewing the Filing Receipt (copy enclosed) for the  
above-identified patent application, the following error was  
noted:

Application No.: 10/559,741  
Filed: December 6, 2005  
TC Art Unit: 3662  
Confirmation No.: 3855

Applicant(s)

Nathan Intrator, Residence Not Provided;

should read:

Applicant(s)


Nathan Intrator, Providence, RI;  
Leon N. Cooper, Providence, RI;  
Nicola Neretti, Jamaica Plain, MA;

Also enclosed is a copy of the executed declaration submitted  
with the application on December 6, 2005.

Kindly correct the error of the Patent and Trademark Office  
and issue a corrected Filing Receipt.

Respectfully submitted,

NATHAN INTRATOR ET AL.

By:   
Richard E. Gamache  
Registration No. 39,196  
Attorney for Applicants

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Ten Post Office Square  
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REG/dc.  
Enclosure  
334093.1

- 2 -



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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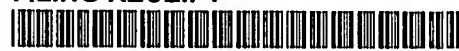
APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/559,741	12/06/2005	3662	625	BRUN-001XX	6	33	4

CONFIRMATION NO. 3855

207

WEINGARTEN, SCHURGIN, GAGNEBIN & LEOVICI LLP  
TEN POST OFFICE SQUARE  
BOSTON, MA 02109

## FILING RECEIPT



\*OC00000018206002\*

Date Mailed: 03/10/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Nathan Intrator, Residence Not Provided;

Power of Attorney: The patent practitioners associated with Customer Number 207.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US04/18219 06/08/2004  
which claims benefit of 60/476,847 06/09/2003

## Foreign Applications

If Required, Foreign Filing License Granted: 03/04/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/559,741**

Projected Publication Date: 06/15/2006

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

BY:                      RECEIVED                       
MAR 17 2006  
WEINGARTEN, SCHURGIN,  
GAGNEBIN & LEOVICI LLP

5  
6/6/06  
J.

**Title**

Estimation of background noise and its effect on sonar range estimation

**Preliminary Class**

367

## **PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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### **LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof

unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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**Box No. VIII(iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)**

*The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes No. VIII, VIII(a) to (v) (in general) and the specific Notes to Box No. VIII(iv). If this Box is not used, this sheet should not be included in the request.*

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))  
for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/US2004/018219 (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior applications: \_\_\_\_\_

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Nathan Intrator

Residence: 496 Morris Avenue, Providence, Rhode Island 02906, United States of America  
(city and either US state, if applicable, or country)

Mailing address: 496 Morris Avenue  
Providence, Rhode Island 02906, United States of America

Citizenship: Israel

Inventor's Signature: [Signature]  
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: June 17, 04  
(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Name: Leon N. Cooper

Residence: 49 Intervale Road, Providence, Rhode Island 02906, United States of America  
(city and either US state, if applicable, or country)

Mailing address: 49 Intervale Road  
Providence, Rhode Island 02906, United States of America

Citizenship: United States of America

Inventor's Signature: [Signature]  
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: June 17, 2004  
(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

☒ This declaration is continued on the following sheet, "Continuation of Box No. VIII(iv)".

**Continuation of Box No. VIII(i) to (v) DECLARATION**

*If the space is insufficient in any of Boxes Nos. VIII(i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII(iv), in such case, write "Continuation of box No. VIII..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet should not be included in the request.*

Name: Nicola Neretti

Residence: 83 Brookside Avenue, Apt. C  
Jamaica Plain, Massachusetts 02130  
United States of AmericaMailing Address: 83 Brookside Avenue, Apt. C  
Jamaica Plain, Massachusetts 02130  
United States of America

Citizenship: Italy

Inventor's Signature Nicola NerettiDate: 06-17-2004